

Course Content

Course Title (English)	Antenna
Course Title (Chinese)	天線
Credit	3
Instructor	Prof. Chen Shih-Yuan 陳士元 教授
Outline	<p>This course will cover the following topics:</p> <ol style="list-style-type: none">1. Introduction2. Antenna Basics3. The Antenna Family4. Point Source5. Array of Point Sources (Phase distribution)6. Array of Point Sources (Amplitude distribution)7. Fourier Transform Relation8. Thin Linear Antennas9. Loop Antennas10. End-Fire Antennas11. Slot and Patch Antennas
Goal	<p>Students taking this course will have in-depth understanding of the working principles and basic parameters of antennas, the fundamental theory, design, and analysis of antenna arrays, antenna measurements, and the radiation mechanisms and performance of commonly-used antenna types. Last but not least, they will also need to build their own antennas for practical applications, such as RFID.</p>
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

Teaching
Material

English

Chinese